

Title (en)
FASTENING SYSTEM FOR FIXING A MOTOR VEHICLE STEERING-COLUMN UNIT

Title (de)
BEFESTIGUNGSSYSTEM ZUR FESTLEGUNG EINER KRAFTFAHRZEUGLENKSÄULENEINHEIT

Title (fr)
SYSTEME DE FIXATION POUR POSITIONNER UN ENSEMBLE COLONNE DE DIRECTION DE VEHICULE AUTOMOBILE

Publication
EP 0995044 A1 20000426 (DE)

Application
EP 99934487 A 19990512

Priority
• DE 9901435 W 19990512
• DE 19821646 A 19980514

Abstract (en)
[origin: DE19821646A1] The invention relates to a fastening system for fixing a first subassembly to a second part especially for use in the motor vehicle industry. Said fastening system comprises at least one fastening bolt (3) and a corresponding first preassembly thread (6) situated on the first subassembly in which the fastening bolt (3) is fastened after preassembly. The inventive fastening system also comprises a fastening thread situated on the first subassembly (8) or on the second part provided for fixing the first subassembly to the second part using the fastening bolt (3). The fastening bolt (3) comprises at least two threaded areas having different size thread pitches, said threaded area being provided for preassembly and for fastening. The preassembly thread (6), the fastening thread (8), and the threaded areas are provided with correspondingly different pitches. According to the invention, the second threaded area which lies opposite the bolt head and which is provided for fastening comprises a smaller diameter than that of the first threaded area which is adjacent to the bolt head and which is provided for preassembly.

IPC 1-7
F16B 35/04; B62D 1/16

IPC 8 full level
B62D 1/16 (2006.01); **F16B 2/06** (2006.01); **F16B 35/00** (2006.01); **F16B 35/04** (2006.01); **F16B 37/04** (2006.01); **F16B 41/00** (2006.01); **F16D 1/076** (2006.01)

CPC (source: EP US)
F16B 35/041 (2013.01 - EP US); **F16B 41/002** (2013.01 - EP US); **F16D 1/076** (2013.01 - EP US); **Y10T 403/7062** (2015.01 - EP US)

Citation (search report)
See references of WO 9960280A1

Designated contracting state (EPC)
DE ES FR GB IT NL SE

DOCDB simple family (publication)
DE 19821646 A1 19991202; DE 19821646 B4 20050616; DE 59911431 D1 20050217; EP 0995044 A1 20000426; EP 0995044 B1 20050112; ES 2234275 T3 20050616; JP 2002515571 A 20020528; US 6390506 B1 20020521; WO 9960280 A1 19991125

DOCDB simple family (application)
DE 19821646 A 19980514; DE 59911431 T 19990512; DE 9901435 W 19990512; EP 99934487 A 19990512; ES 99934487 T 19990512; JP 2000549863 A 19990512; US 46273600 A 20000530